

Attorney Docket No. 7855 D1

**REMARKS****Rejection based upon Double Patenting****a. US Patent Application No. 10/511516**

Claims 1-68 have been rejected under the judicially created doctrine of obvious-type double patenting as being unpatentable over claims 1-25, 26+19,47+36, 48+36, 49+48+36, 50+48+36, 51+41, 52+51+41, 53+51+41, 54+44, 55+54+44, 56+54+44, 57+50+48+36, 58+53+51+41, 59+56+54+44, 60+57+50+48+36, 60+57+50+48+36, 61+58+53+51+41, 62+59+56+54+44, 63+60+57+50+48+36, 64+61+58+53+51+41, 65+62+59+56+54+44, 66+63+60+57+50+48+36, 67+64+61+58+53+51+41 and 68+65+62+59+56+54+44 of copending application 10/511516. Claims 16 and 18 are provisionally reject for statutory created double patenting in relation to application 10/511516 claims 16 and 18.

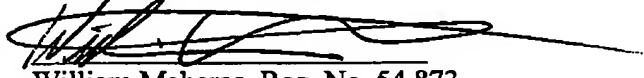
Applicants obviate the rejection by filing a preliminary amendment in the copending application No. 10/511516 canceling all claims that are referenced in both aforementioned double patenting rejections, please see attached copy of the preliminary amendment filed on 5-12-06.

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**CONCLUSION**

In view of the foregoing, Applicants respectfully request withdrawal of the rejections under statutory and judicial double patenting and respectfully assert that this application is in condition for allowance. Early notice to this effect is earnestly solicited.

Respectfully Submitted,



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Date: June 7, 2006

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5/12/06 Robert T. Zaedke

## In the United States Patent and Trademark Office

Applicant:	David O. Sanders	)	Preliminary Amendment
		)	
Serial No.:	10/511,516	)	Examiner: Charitta A. Burt
		)	
Date Filed:	October 15, 2004	)	Group Art Unit: 1755

For: SYSTEM TO PRODUCE SUGAR FROM PLANT MATERIALS

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

- [X] **AUTHORIZATION TO PAY AND PETITION FOR THE ACCEPTANCE OF ANY NECESSARY FEES:** If any charges or fees must be paid in connection with the following Communication (including but not limited to the payment of issue fees), they may be paid out of our deposit account No. 14-0105. If this payment also requires a Petition, please construe this authorization to pay as the necessary Petition which is required to accompany the payment.

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**PRELIMINARY AMENDMENT**

Dear Sir:

Please enter the following amendments.

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**CLAIMS**

A. Cancel claims 1-3, 6, 10, 14-16, 19, 28, 35-36, 69-77, 84, 91-93, 119 and 140.

B. Insert new claims 147-153.

147. A method of purifying juice obtained from plant material, comprising the steps of:

- a. obtaining plant material;
- b. removing juice from said plant material to obtain a process liquid, wherein said process liquid contains sucrose, non-sucrose substances, and water, and wherein a portion of said non-sucrose substances comprise dissolved material;
- c. heating said process liquid to a temperature between about 55.degree. C. to about 80.degree. C.;
- d. introducing a mixture of gases into said process liquid;
- e. establishing a process liquid-gas interface area between said process liquid and said mixture of gases; and
- f. reducing concentration of said dissolved material within said process liquid to less than the initial concentration of said dissolved material in said process liquid.

148. A method of purifying juice obtained from plant material as described in claim 147, further comprising the steps of:

- a. spreading said process liquid over the surface area of a container; and
- b. venting the interior of said container to atmosphere.

149. A method of purifying juice obtained from plant material as described in claim 148, wherein said step of spreading said process liquid over the surface area of a container comprises applying centrifugal forces to said process liquid.

150. A method of purifying juice obtained from plant material as described in claim 148, wherein

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said step of applying centrifugal forces to said process liquid comprises centrifugal forces greater than three times gravity.

151. A method of purifying juice obtained from plant material as described in claim 150, further comprising the steps of: a. dispersing said process liquid to increase said process liquid-gas interface; and b. flowing a mixture of gases through dispersed process liquid.
152. A method of purifying juice obtained from plant material as described in claim 151, further comprising the steps of: a. dispersing said process liquid to increase said process liquid-gas interface; and b. reducing partial pressure of gases at said liquid-gas interface.
153. A method of purifying juice obtained from plant material as described in claim 152, wherein said step of reducing partial pressure of gases at said liquid-gas interface comprises generating partial pressures of gases below atmospheric pressure.

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**CONCLUSION**

Applicants respectfully request that the Examiner allow all claims. Early notice to this effect is earnestly solicited.

Respectfully Submitted,



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Date: May 12, 2006